111.4 - Clays (powder form)

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	97b	98b	679
Description	Flint Clay	Plastic Clay	Brick Clay
Unit of Issue	(60 g)	(60 g)	(75 g)
(Concentrations are in mass fractions, in %, unless noted by an asterisk for mg/kg)			
Aluminum	20.76	14.30	11.01
Antimony	(2.2)*	(1.6)*	
Barium	(0.018)	(0.07)	0.0432
Calcium	0.0249	0.0759	0.1628
Cerium			(105)*
Cesium	(3.4)*	(16.5)*	(9.6)*
Chromium	227*	119*	109.7*
Cobalt	(3.8)*	(16.3)*	(26)*
Europium	(0.84)*	(1.3)*	(1.9)*
Hafnium	(13)*	(7.2)*	(4.6)*
Iron	0.831	1.18	9.05
Lithium	550*	215*	71.7*
Magnesium	0.113	0.358	0.7552
Manganese	47*	116*	(1730)*

SRM	97b	98b	679
Description	Flint Clay	Plastic Clay	Brick Clay
Unit of Issue	(60 g)	(60 g)	(75 g)
(Concentrations are in mass fractions, in %, unless noted by an asterisk for mg/kg)			
Phosphorus	(0.02)	(0.03)	(0.075)
Potassium	0.513	2.81	2.433
Rubidium	(33)*	(180)*	(190)*
Scandium	(22)*	(22)*	(22.5)*
Silicon	19.81	26.65	24.34
Sodium	0.0492	0.1496	0.1304
Strontium	84*	189*	73.4*

Values in parentheses are not certified and are given for information only.

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Thorium	(36)*	(21)*	(14)*
Titanium	1.43	0.809	0.577
Zinc	(87)*	(110)*	(150)*
Zirconium	(0.05)	(0.022)	
Loss on Ignition (at 1100 °C, 2 hours; sample previously dried)	13.3	7.5	

Values in parentheses are not certified and are given for information only.